

REMARKS

Claims 1, 2, 4, 5, 7-9, 12, 14-16, 18-25 are currently pending in the present application. Claims 4, 16 and 22-24 have been canceled.

Claims 1, 2, 4, 5, 7-9, 12, 14-16, 18-25

Amended independent claim 1 recites a method that includes changing filtering characteristics on a main signal path as a function of at least one amplitude on a second signal path coupled to the main signal path **and** at least one power level of the main signal path. Thus, the filter characteristics are changed by processing circuitry as a function of two types of signals, viz., a signal on the second signal path, not under the control of the receiver and at least one power level (detected by power level indicators) of a signal on the main signal path. The output of the variable filter (24 in FIG. 1 and 180 in FIG. 2) is fed to an analog power level indicator and a digital power level indicator where the output of both indicators are applied to a processing circuit (22 in FIG. 1 and 170 in FIG. 2). Also applied to processing circuitry 22 (see FIG. 1) are the amplified upper band edge and lower band edge outputs in line with the second signal path. The amplitude on the second signal path may be **an upper edge amplitude or a lower edge amplitude in adjacent bands relative to the frequency band of operation**. All of the independent claims have now been amended to recite a method or a band edge amplitude reduction system for a receiver in which the filter's characteristics is changed by a processing circuit (through the use of control signals) based on signals under the control of the receiver (i.e., power level signals) and signals not under the control of the receiver (i.e., upper edge amplitude and/or lower edge amplitudes).

Neither Sugimoto nor Vogt nor their combination disclose the claimed invention as recited in amended independent claims 1, 8, 15, 21 and 25. Sugimoto discloses a receiver in which filter 6 or 7 are switched based on the result of an adjacent channel signal detection circuit 20 and not at all based on a power level of a signal on the main signal path. As shown in our invention, the power level is obtained from analog and digital power level indicators (see FIGS. 1 and 2) coupled to the output of the filters that

are switched to change the filtering characteristics of the receiver. No such power level indicators exist or are even implied in Sugimoto. Vogt discloses a receiver in which signals upstream of a bandpass filter are compared to signals downstream of the bandpass filter to determine which one of a plurality of filters to select. Vogt does not disclose any power level indicators are the output of its filters to provide a power level to a processing circuit allowing the processing circuit to switch or select a filter based on the power level and on signal amplitudes not under the control of the receiver.

Dependent claims 2, 5, 7 and 18 have also been amended to address any rejections based on 35 USC 112 and to be consistent with the independent claims from which they depend. Applicants have also attached formal drawings (2 sheets; FIGS. 1 and 2) for the application to this Amendment to address the drawing objections referred to by the Examiner in the Office Action.

Request for Continued Examination pursuant to 37 CFR 1.111

Having responded to each and every ground for objection and rejection in the Office Action mailed on February 18, 2005, Applicants request reconsideration of the instant application pursuant to 37 CFR 1.111 and request that the Examiner allow claims 1,2,5, 7-9, 12, 14, 15, 18-21 and 25, and pass the application to issue. If there is any point requiring further attention prior to allowance, the Examiner is asked to contact Applicant's counsel who can be reached at the telephone number listed below. A payment for extension of time is hereby submitted with this Amendment. Please charge the fee of \$ 1,020.00 to our deposit account no. 50-1561 for an extension of three months beyond the due date of May 18, 2005. If there are any additional fees due, please charge any such fees to our deposit account 50-1561 and reference the Attorney Docket number listed above.

Respectfully,

By Claude R. Narcisse
Claude R. Narcisse
Reg. No. 38979
(201) 801-3190

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